After the imprinting process has been completed, the top lamina 30 and bottom lamina 34 are drawn from supply rolls 152 and 154 into an assembly station 156 where they are sealed into encompassing and encapsulating relationship with the intermediate lamina 32.

The mutual communication between the RFID reader 160 and the wristband 10 is illustrated in Fig. 16 of the drawings. Initially, the RFID circuitry of the wristband is programmed to provide identifying and other information and the reader is capable of eliciting such information from the RFID circuitry of the wristband. In a read/write configuration of the circuitry of the wristband 10, the reader may also impart information to, alter information on, or delete information from the wristband 10--.

In the claims:

1. (Amended) In an identification wristband for emitting a radio frequency identification signal, the combination of:

a first flexible polymer lamina having an outer surface and an inner surface;

a second flexible polymer lamina having an outer surface and an inner surface;

programmable encoder circuitry [encapsulated between] imprinted on the inner surface of one of said laminae for defining identification information;

an antenna encapsulated between said laminae; and

[a] signal generator circuitry [encapsulated by] imprinted on the inner surface of one of said laminae and responsive to said encoder circuitry for applying a radio frequency signal bearing said identification information to said antenna and said laminae being secured to each other to encapsulate said circuitry.

Cancel Claim 2 without prejudice.

(Amended) [The identification wristband of claim 1 wherein said circuitry is] In an identification wristband for emitting a radio frequency identification signal, the combination of:

a first flexible polymer;

a second flexible polymer;

programmable encoder circuitry encapsulated between said laminae for defining identification information;

an antenna encapsulated between said laminae; and

a signal generator circuitry encapsulated by said laminae and responsive to said encoder circuitry for applying a radio frequency signal bearing said identification information to said antenna formed of polymer materials deposited on one of said laminae.

(Amended) [The wristband of claim 1 including ] In an identification wristband for emitting a radio frequency identification signal, the combination of:

a first flexible polymer lamina;

a second flexible polymer lamina;

programmable encoder circuitry encapsulated between said laminae for defining identification information;

an antenna encapsulated between said laminae; and

a signal generator circuitry encapsulated by said laminae and responsive to said encoder circuitry for applying a radio frequency signal bearing said identification information to said antenna; and

a third intermediate lamina located between said first and second laminae, said intermediate lamina having said circuitry deposited thereupon in conjunction with said antenna and encapsulated between said first and second laminae.

5. (Amended) [The identification wristband of claim 1 wherein] In an identification wristband for emitting a radio frequency identification signal, the combination of:

a first flexible polymer lamina;

a second flexible polymer lamina;

programmable encoder circuitry encapsulated between said laminae for defining identification information;

an antenna encapsulated between said laminae;

a signal generator circuitry encapsulated by said laminae and responsive to said encoder circuitry for applying a radio frequency signal bearing said identification information to said antenna; and

said circuitry [is] being embodied in an IC chip deposited on an intermediate third lamina and encapsulated between said first and second laminae.

6. (Amended) The identification wristband of claim 3 [5] wherein said circuitry is formed of polymeric materials deposited on said third intermediate lamina.

7. (Amended) In a system for providing identification information, the combination of:

a reader for emitting an electromagnetic signal;

an identification wristband responsive to said electromagnetic signal by producing an identification signal, said wristband including:

a first lamina of polymeric material having an outer surface and an inner surface;

a second lamina of polymeric material secured to said first lamina having an outer surface and an inner surface;

an antenna for receiving said electromagnetic signal located between said laminae; and

circuitry imprinted on the inner surface of one of [between] said laminae coupled to said antenna for generating said identification signal in response to said electromagnetic signal received by said antenna, and said reader being responsive to said identification signal.

8. (Amended) The identification wristband of claim 6 wherein portions of said circuitry are defined by a conductive ink pattern disposed on said one of said laminae.

9. (Amended) The identification wristband of claim 6 wherein said circuitry is defined by polymeric conductive patterns on said one of said laminae.

13. (Amended) In a method of fabricating a wristband for producing a radio frequency identification signal, the steps of:

dispensing a continuous first lamina of polymeric material having an outer surface and an inner surface;

[depositing] imprinting an RFID circuit on said inner surface of said first lamina;

depositing an antenna on said first lamina connected to said RFID circuit;

[depositing] imprinting a second polymeric lamina having an outer surface and an inner surface over said RFID circuit and securing it to said